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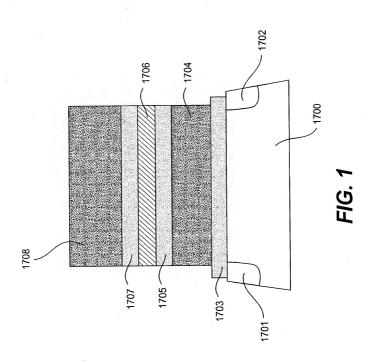
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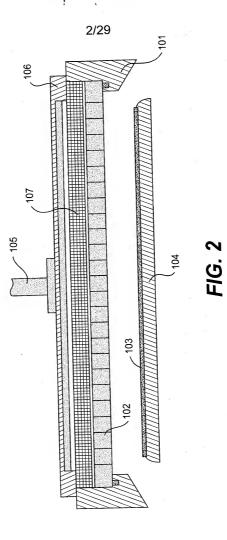
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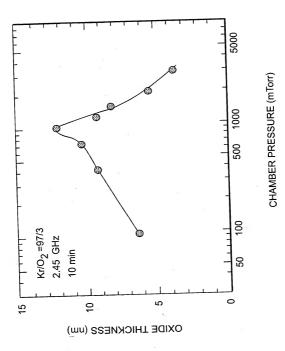
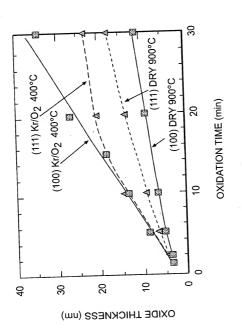
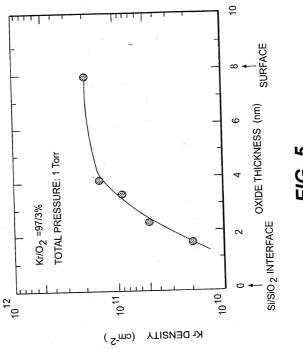
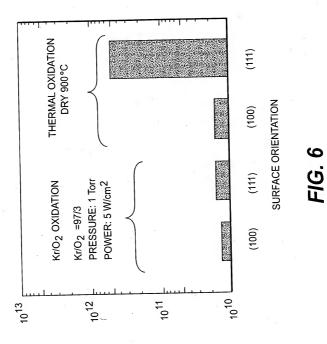


FIG. 3









SURFACE STATE DENSITY (eV $^{-1}$ cm $^{-2}$)



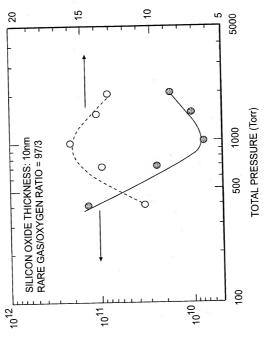
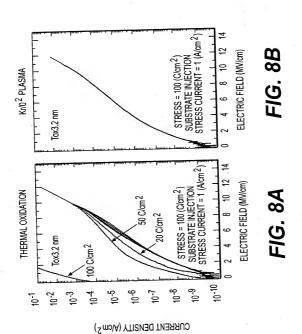
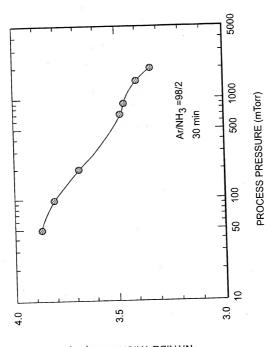


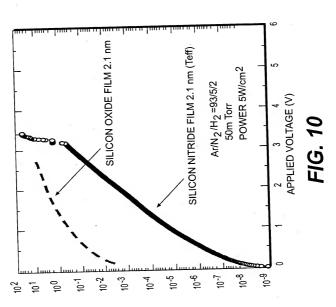
FIG. 7

SURFACE STATE DENSITY (eV $^{-1}$ cm $^{-2}$)





NITRIDE THICKNESS (nm)



CURRENT DENSITY (A^{cm})

Replacement Sheet

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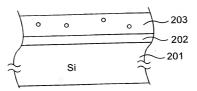


FIG. 11A

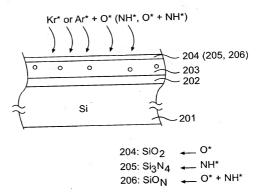


FIG. 11B

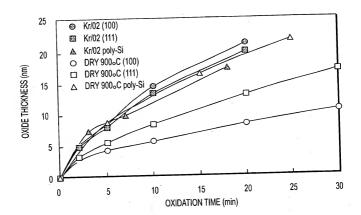


FIG. 12

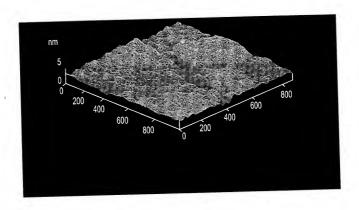


FIG. 13A

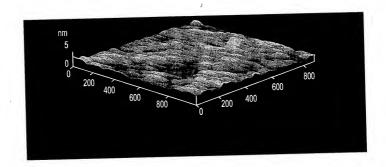


FIG. 13B

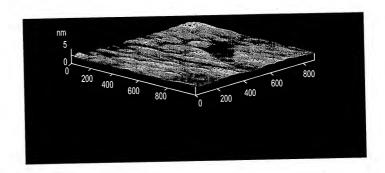


FIG. 13C

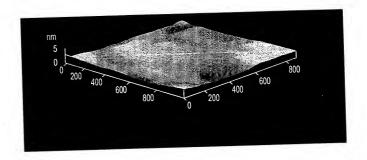


FIG. 14A

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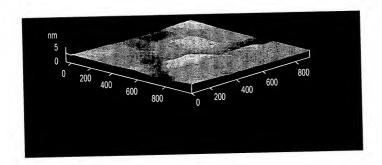


FIG. 14B

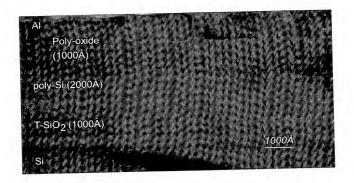


FIG. 15A

Replacement Sheet

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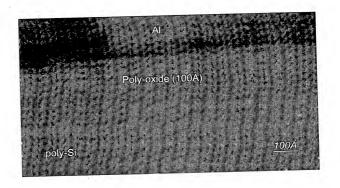


FIG. 15B

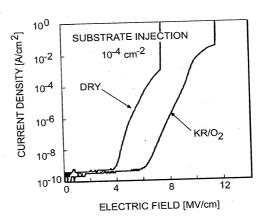


FIG. 16

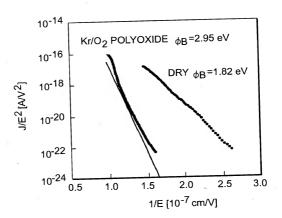


FIG. 17

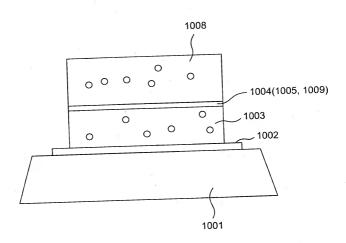


FIG. 18

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1000

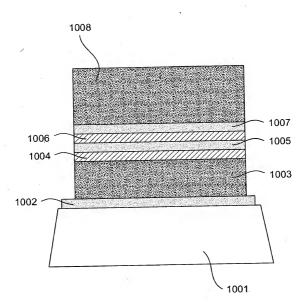


FIG. 19

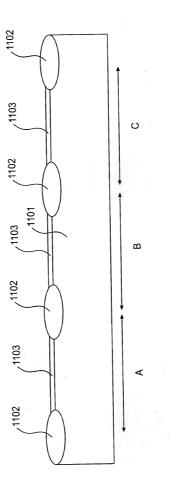


FIG. 20

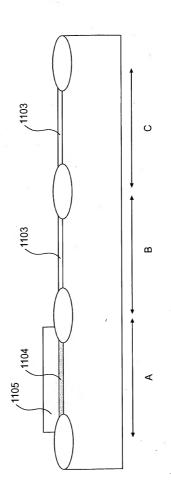


FIG. 21

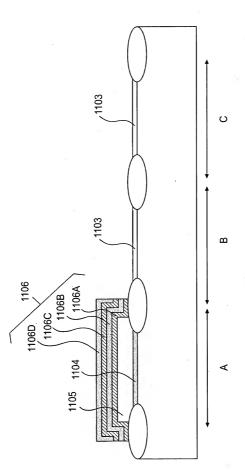


FIG. 22

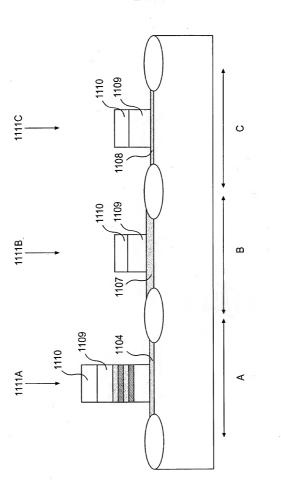


FIG. 23

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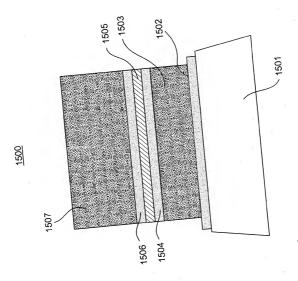


FIG. 24

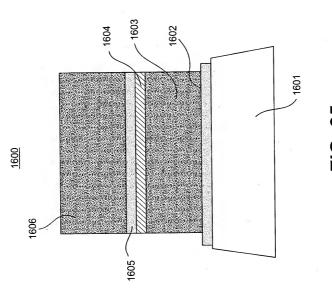


FIG. 25